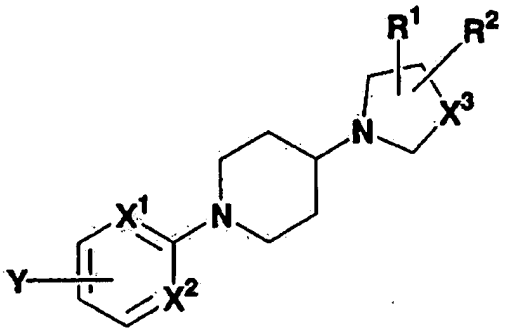
AMENDMENTS TO THE CLAIMS

Please cancel Claims 1-47 and insert therefor Claims 48-60 as follow. This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1-47. (Canceled)

48. (New) A compound of the formula (I):



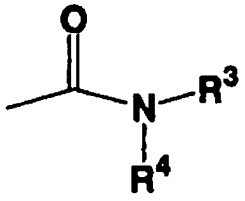
(I)

wherein:
X^1 and X^2 represent CH;

X^3 represents $-O_s-(CH_2)_m-$, wherein s indicates 0 or 1, and m indicates an integer to make (m + s) = 0, 1, 2, 3 or 4;

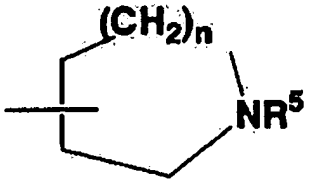
R^1 and R^2 independently represent a hydrogen atom, a halogen atom, a linear or branched lower alkyl group, a lower alkoxy group, or an acetyl group substituted with 2 or 3 fluorine atoms;

Y is selected from the group consisting of:
(1) a group of the formula (IV):



(IV)

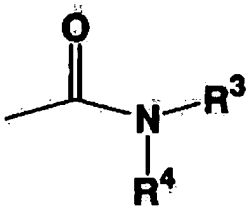
wherein:
R^3 is a hydrogen atom, or a lower alkyl group, and
R^4 is a group of the formula (V):



(V)

wherein R^5 represents a hydrogen atom, a lower alkyl group, a C3 to C8 cycloalkyl group, an aralkyl group, or a heteroaryl group; n indicates 0 or an integer which is 1, 2, 3 or 4;

(2) a group of the formula (IV):



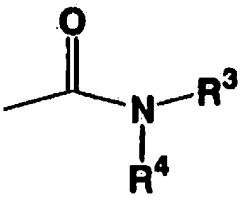
(IV)

wherein R^3 is a hydrogen atom, or a lower alkyl group, and
R^4 is a group of the formula (VI):

$$-(CH_2)_q\text{-}A \qquad \text{(VI)}$$

wherein A represents an aryl group, a heteroaryl group, a condensed bicyclic group of a C4 to C7 cycloalkyl group and an aryl group, or a condensed bicyclic group of a C4 to C7 cycloalkyl group and a heteroaryl group; q indicates an integer which is 1, 2 or 3; and

(3) a group of the formula (IV):



(IV)

wherein R^3 and R^4 form a nitrogen-containing heterocyclic group which is joined with the nitrogen atom to which they bond;

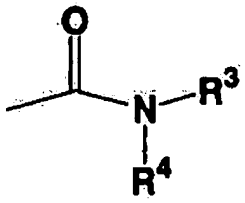
or a pharmaceutically-acceptable salt thereof.

49. (New) The compound of Claim 48, wherein R^1 and R^2 are hydrogen atoms, X^3 is $-O_s-(CH_2)_m-$, wherein s is 0 and m is an integer which is 1, 2 or 3.

50. (New) The compound of Claim 48, wherein X^3 is $-O_s-(CH_2)_m-$, wherein s is 0 and m is an integer which is 1, 2 or 3, to form a nitrogen-containing heterocyclic group which is selected from 1-pyrrolidinyl, piperidinyl and 1-hexamethyleneiminyl.

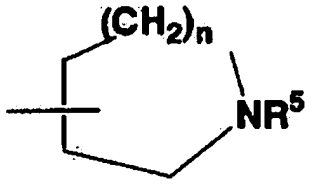
51. (New) The compound of Claim 50, wherein X^3 is $-O_s-(CH_2)_m-$, wherein s is 0 and m is an integer which is 2, to form a piperidinyl group.

52. (New) The compound of Claim 48, wherein Y is a group of the formula (IV):



(IV)

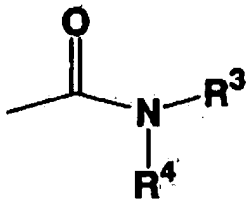
wherein:
R^3 is a hydrogen atom, or a lower alkyl group, and
R^4 is a group of the formula (V):



(V)

wherein R^5 represents a hydrogen atom, a lower alkyl group, a C3 to C8 cycloalkyl group, an aralkyl group, or a heteroaryl group; n indicates 0 or an integer which is 1, 2, 3 or 4.

53. (New) The compound of Claim 48, wherein in formula (II), Y is a group of the formula (IV):



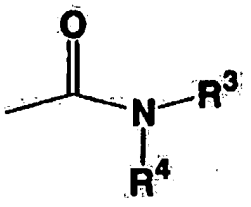
(IV)

wherein R^3 is a hydrogen atom, or a lower alkyl group, and
R^4 is a group of the formula (VI):

$$-(CH_2)_q\text{-}A \qquad \text{(VI)}$$

wherein A represents an aryl group, a heteroaryl group, a condensed bicyclic group of a C4 to C7 cycloalkyl group and an aryl group, or a condensed bicyclic group of a C4 to C7 cycloalkyl group and a heteroaryl group; q indicates 0 or an integer which is 1, 2 or 3.

54. (New) The compound of Claim 48, wherein Y is a group of the formula (IV):



(IV)

wherein R^3 and R^4 form a nitrogen-containing heterocyclic group which is joined with the nitrogen atom to which they bond.

55. (New) The compound of Claim 54, wherein the nitrogen-containing heterocyclic group is selected from: piperidinyl, pyrrolidinyl, azetidinyl, homopiperidinyl, and heptamethyleneiminyl.

56. (New) The compound of Claim 55, wherein the nitrogen-containing heterocyclic group is piperidinyl.

57. (New) The compound of Claim 48, wherein Y is an aryl group or a 5-membered or 6-membered heteroaryl group (wherein the heteroaryl group has, in the ring thereof, from 1 to 3 hetero atoms selected from a group consisting of a nitrogen atom, a sulfur atom and an oxygen atom), which is unsubstituted or substituted with 1 or 2 substituents selected from a group consisting of a lower alkyl group, a lower alkoxy group, a hydroxyl group and a halogen atom.

58. (New) A compound which is selected from the group consisting of:
N-methyl-N-(1-methylpiperidin-4-yl)-4-[4-(piperidin-1-yl)piperidin-1-yl]benzamide,
N-(1-methylpiperidin-4-yl)-4-[4-(piperidin-1-yl)piperidin-1-yl]benzamide,
N-methyl-N-(1-cyclobutylpiperidin-4-yl)-4-[4-(piperidin-1-yl)piperidin-1-yl]benzamide,
N-methyl-N-(1-cyclopentylpiperidin-4-yl)-4-[4-(piperidin-1-yl)piperidin-1-yl]benzamide,
N-methyl-N-(1-cyclohexylpiperidin-4-yl)-4-[4-(piperidin-1-yl)piperidin-1-yl]benzamide,
N-methyl-N-(1-cyclohexylmethylpiperidin-4-yl)-4-[4-(piperidin-1-yl)piperidin-1-yl]benzamide,
N-methyl-N-[(3R)-1-cyclopentylpyrrolidin-3-yl]-4-[4-(piperidin-1-yl)piperidin-1-yl]benzamide,
N-methyl-N-[(3S)-1-cyclopentylpyrrolidin-3-yl)]-4-[4-(piperidin-1-yl)piperidin-1-yl]benzamide,
N-methyl-N-[(3R)-1-benzylpyrrolidin-3-yl)]-4-[4-(piperidin-1-yl)piperidin-1-yl]benzamide,
N-methyl-N-[(3R)-1-benzylpyrrolidin-3-yl)]-4-[4-(piperidin-1-yl)piperidin-1-yl]benzamide,
2-{4-(piperidin-1-yl)piperidin-1-yl]benzoyl-1,2,3,4-tetrahydroisoquinoline,
1-{4-(piperidin-1-yl)piperidin-1-yl]benzoyl-1,2,3,4-tetrahydroquinoline,
1-{4-(piperidin-1-yl)piperidin-1-yl]benzoyl-4-phenylpiperazine,
N-methyl-N-(thiophen-2-yl)methyl-4-[4-(piperidin-1-yl)piperidin-1-yl]benzamide,
N-methyl-N-phenethyl-4-[4-(piperidin-1-yl)piperidin-1-yl]benzamide,
1-{4-(piperidin-1-yl)piperidin-1-yl]benzoyl-3-(3,4-difluorophenyl)pyrrolidine,
4-{4-(piperidin-1-yl)piperidin-1-yl]benzoylpiperidin-1-yl,
N-methyl-N-(1-methylpiperidin-4-yl)-4-[4-(pyrrolidin-1-yl)piperidin-1-yl]benzamide,
N-methyl-N-(1-methylpiperidin-4-yl)-4-[4-(azetidin-1-yl)piperidin-1-yl]benzamide,
N-methyl-N-(1-methylpiperidin-4-yl)-4-[4-(4,4-difluoropiperidin-1-yl)piperidin-1-yl]benzamide,
or a pharmaceutically-acceptable salt thereof.

59. (New) A pharmaceutical composition which comprises an inert carrier and a compound of Claim 48, or a pharmaceutically acceptable salt thereof.

60. (New) A pharmaceutical composition which comprises an inert carrier and a compound of Claim 58, or a pharmaceutically acceptable salt thereof.